ABSTRACT

A method for low-density parity-check (LDPC) encoding of data comprises defining a first MxN

5   parity check matrix; generating, based on the first parity check matrix, a second parity check

matrix having an MxM triangular sub-matrix; and, mapping the data into an LDPC code word

based on the second parity check matrix. The method is particularly useful for data

communications applications, but may also be employed in other applications such as, for

example, data storage.

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